

L 9899-66 EWP(j)/I/EWP(t)/EWP(b) IJP(c) JD/JG/RM

ACC NR: AP6003382

SOURCE CODE: CZ/0043/65/000/007/0530/0543

AUTHOR: Podlahova, Jana--Podlagova, Ya. (Graduate chemist; Candidate of sciences)

ORG: Department of Inorganic Chemistry, Faculty of Natural Sciences, Charles University, Prague (Katedra anorganické chemie Přírodovědecké fakulty Karlovy university)

TITLE: Study of the system di-, tri-, and tetra-valent vanadium - ethylenediamino-tetraacetic acid in water solutions

SOURCE: Chemické Zvesti, no. 7, 1965, 530-543

TOPIC TAGS: aqueous solution, acetic acid, organic nitrogen compound, solution property, organovanadium compound

ABSTRACT: Systems of di-tri- and tetra-valent vanadium-ethylenediaminetetraacetic acid (H_4Y) - and sodium hydroxide in dilute water solutions were investigated. The pH values, conductivities, and spectrophotometrical analysis results were recorded. The experimental results were used to calculate dissociation constants of the complex acids $H_2V^{III}Y$, $HV^{III}Y$, and $H_2V^{IV}OY$, their molar absorptivities, and the absorptivities of their anions. The rate of reaction constant for the formation of $V^{IV}OYOH^{3-}$ hydroxy complex from the individual components, and the mobility of the complex anion $V^{III}Y^-$ were also calculated on the basis of the described experimental

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ACC NR: AP6003382

measurements. The author thanks Prof.-Dr. S. Skramovsky, Doctor of Sciences,
who carried out the initial work and continued in this work, for advice.

Orig. art. has: 8 figures and 3 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: 09Mar65 / ORIG REF: 006 / OTH REF: 011

PC
Card 2/2

PODLAHOVA, J.

CZECHOSLOVAKIA

SKRAMOVSKY, S; PODLAHOVA, J.

Institute of Anorganic Chemistry, Charles University,
Prague, (for all)

Prague, Collection of Czechoslovak Chemical Communications,
Vol 5, 1963, pp 1330-1334

"The Production and Properties of Ethylenediaminetetra-
acetic Acid Complexes II. Combination with Iron."

FREI, V.; PODLAHOVA, J.; PODLAHA, J.

Dissociation constants of phosphoric acid and mobility of its anions. Chem Cz Chem 29 no.11:2587-2596 N '64.

1. Institut fur anorganische Chemie, Karlsuniversitat, Prague.

PODLAHA, J.; PODLAHOVA, J.

Hydrolysis of vanadium (II) ion. Coll Cz Chem 29 no.12:3164-3167
D '64.

1. Institut fur anorganische Chemie, Karlsuniversitat, Prague.

SKRAMOVSKY, S.; PODLAHOVA, J.

Preparation and properties of ethylenediamine-tetra-acetic
acid complexes. Pt. 2. Coll Cz Chem 28 no. 5: 1330-1334
My '63.

1. Institut fur anorganische Chemie, Karlsuniversitat, Prag.

SKRAMOVSKY, S.; PODLAHOVA, J.

Production of ethylene-diaminetetraacetic acid compounds and their properties I. Compounds with manganese. Coll Cz Chem 27 no.6:1374-1380 Je '62.

1. Institut für anorganische Chemie, Karlsuniversität, Prag.

CZECHOSLOVAKIA

PODLAHOVA, J; PODLAHA, J; PETRAS, P.

Institute for Inorganic Chemistry, Karlova University (Institut
für anorganische Chemie, Karlsuniversitat), Prague - (for all)

Prague, Collection of Czechoslovak Chemical Communications,
No 1, January 1966, pp 16-22

"Preparation and properties of ethylenediaminetetraacetic acid
complex. Part 5: Tri-vanadium compounds."

EXCERPTA MEDICA Sec 2 Vol 13/5 Physiology May 60

2491. DATE OF MENARCHE IN GIRLS FROM DIFFERENT SOCIAL GROUPS -

Výzkum doby menarche u dívek z různého prostředí - Podlaska Z.

Úst. Školní Státního Hyg., Varšava - ČSL. HYG. 1959, 4/4-5 (294-298)

Graphs 3 Tables 4

In Warsaw the menarche appears at 12-14 yr.; in country districts at 13-14 yr. Better hygienic and economic conditions bring about an earlier appearance of menarche. In girls born in 1938-1945 a shifting of the menarche to younger age is observed, especially in those whose early childhood fell in the post-war period.
Janda - Prague

AUTHOR: Podlasov, A.V., Engineer SOV-99-58-8-6/11

TITLE: Starting and Trial Operation of the Ingulets Pumping Station's First Unit (Pusk i probnaya ekspluatatsiya pervoy ocheredi inguletskoy nasosnoy stantsii)

PERIODICAL: Gidrotekhnika i melioratsiya, 1958, Nr 8, pp 33-36 (USSR)

ABSTRACT: The Ingulets Pumping Station is the Soviet Union's most powerful irrigation pumping station and one of the largest in the world. The established capacity is 29,400 kw. The station supplies water for the irrigation of 60,000 ha of agricultural land, delivers water to several districts of the Nikolayev and Kherson Oblasts, Ukrainian SSR, and the Oktyabr'skoye Water Reservoir, which furnishes the town of Nikolayev with water. It is located 12 km south of Snigirevka, Nikolayev Oblast, on the river Ingulets, 80 km from its Junction with Dnepr. As a result of extensive studies, several technological innovations were realized at the erection of the Ingulets Pumping Station. The article contains a number of particulars with regard to the operation, type and manufacture of the station pumps. Prominent USSR scientists such as Professors A.A.Surin, S.S.Rudnev and M.A. Mostkov, who worked on this project are mentioned. There are 3 photos. 1. Inland waterways---USSR 2. Pumps---Performance 3. Pumps---Test methods

Card 1/1

PODLASOV, A.V., inzh.

Liquid seals for vacuum removal in siphons of elevated distribution
reservoirs. Gidr.i mel. 12 no.3:56-60 Mr '60. (MIRA 13:6)

1. Ukgiprovdhoz.
(Siphons) (Pumping stations)

PODLASOV, A.V., inzh.

Starting and test operating the first section of the Ingulets
Pumping Station. Qidr. 1 mel. 10 no. 8:33-36 Ag '58. (MIRA 11:10)
(Ingulets River--Pumping stations)

ROZOVSKIY, I.L.; TSVETKOV, P.K.; KARUK, B.P.; PODLASOV, A.V.

New type of stilling basin for large scale irrigation pumping plants.
Izv.Inst.gidrol.i gidr.AN URSR 12:3-27 '55. (MIRA 9:4)
(Hydraulic engineering) (Irrigation)

PENIONZHKEVICH, E.O., prof., red.; PODLAZOV, K.M., red.; PROKOF'YEVA,
L.N., tekhn. red.

[Raising broilers abroad; collection of translations from
foreign periodical literature]Proizvodstvo broilerov za ru-
bezhom; sbornik perevodov iz inostrannoi periodicheskoi lite-
ratury. Pod red. i s predisl. E.O.Penionzhkevicha. Moskva,
Sel'khozizdat, 1962. 366 p. (MIRA 15:11)
(Broilers (Poultry))

MELIKHOV , G.V.[translator]; VERIGIN, B.V., kand. biolog. nauk, red.;
PODLAZOV, K.M., red.; GOR'KOVA, Z.D., tekhn. red.;
PROKOF'YEVA, L.N., tekhn. red.

[Pond fish culture] Prudovoe rybovodstvo. Moskva, Izd-vo sel'-
khoz. lit-ry, zhurnalov i plakatov, 1961. 271 p. Translated
from the Chinese. (MIRA 15:2)

(China--Fish culture)

TOMME, M.F., doktor sel'skokhozyaystvennykh nauk, otvetstvennyy redaktor;
PODIAZOV, K.M., redaktor; GERASIMOVA, Ye.S., tekhnicheskiiy redaktor

[Innovations in feeding farm animals; a collection of translations
from foreign periodical literature] Novoe v kormlenii sel'sko-
khosiaistvennykh zhivotnykh; sbornik perevodov iz inostrannoi
periodicheskoi literatury. Otv. red. M.F.Tomme. Moskva, Izd-vo
inostrannoi lit-ry. Vol. 1956. 375 p. (MIRA 9:11)
(Feeding and feeding stuffs)

GAVRILOV, P. A.; PODLAZOV, L. N.

"Nuclear power plant dynamic stability."

report submitted for 3rd Intl Conf, Peaceful Uses of Atomic Energy, Geneva,
31 Aug-9 Sep 64.

PODLAZOV, M. K.

Technology

Organization and planning of tricot production, Moskva, Gizlegprom, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1951.2Unclassified.

PODLAZOV, M K

N/5
746.5
.P7

Organizatsiya i planirovaniye triktazhnogo proizvodstva (Organisation
and planning of the knitted fabric industry) Moskva, Gisleprom, 1952.
505 p. Diagr., tables.
Bibliographical footnotes.

AB No. 520557

POLUSHKIN, K.K.; YEMEL'YANOV, I.Ya.; DELENS, P.A.; ZVONOV, N.V.; ALEKSENKO, Yu.I.; GROZDOV, I.I.; KUZNETSOV, S.P.; SIROTKIN, A.P.; TOKAREV, Yu.I.; LAVROVSKIY, K.P.; BRODSKIY, A.M.; BELOV, A.R.; BORISYUK, Ye.V.; GRYAZEV, V.D.; POPOV, D.N.; KORYAKIN, Yu.I.; FILIPPOV, A.G.; PETROCHUK, K.V.; KHOROSHAVIN, V.D.; SAVINOV, N.P.; MESHCHERYAKOV, M.N.; PUSHKAREV, V.P.; SUROYEGIN, V.A.; GAVRILOV, P.A.; PODLAZOV, L.N.; ROGOZHNIKIN, I.N.; TETUKOV, V.D.

"Arbus" atomic power plant with organic heat transfer agent and moderator. Atom. energ. 17 no.6:439 D '64 (MIRA 18:1)

27c
L 24212-65 EWT(m)/EPF(c)/EPF(n)-2/EPR Pr-4/PB-4/Pu-4 DM

ACCESSION NR: AP5001265

1B S/0089/64/017/006/0439/0448

AUTHOR: Polushkin, K. K.; Yemel'yanov, I. Ya.; Delens, P. A.; Zvonov, N. V.;
Aleksenko, Yu. I.; Grozlov, I. I.; Kuznetsov, S. P.; Sirotkin, A. P.; Tokarev,
Yu. I.; Lavrovskiy, K. P.; Brodskiy, A. M.; Belov, A. R.; Borisyuk, Ye. V.;
Gryazev, V. M.; Tetyukov, V. D.; Popov, D. N.; Koryakin, Yu. I.; Filippov,
A. G.; Petrochuk, K. V.; Khoroshavin, V. D.; Savinov, N. P.; Meshcheryakov,
M. N.; Pushkarev, V. P.; Suroyegin, V. A.; Gavrilov, P. A.; Podlazov, I. N.;
Rogozhkin, I. N.

TITLE: Atomic electric power installation "Arbus"¹⁹ with organic coolant and moderator

SOURCE: Atomnaya energiya, v. 17, no. 6, 1984, 439-448

TOPIC TAGS: small nuclear reactor, organic coolant, organic moderator, reactor economy, nuclear reactor

ABSTRACT: The paper is a summary of the SSSR # 307 report at the Third Inter-

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L 24212-65

ACCESSION NR: AP5001265

national Conference on Peaceful Uses of Atomic Energy, 1964. It describes an installation of a reactor in which organic liquid serves as the coolant, and as the moderator. The low-power reactors of about 5 Mw are expected to be economical in the remote regions where the usual energy sources are not available. A regeneration system is described for the coolant which removes the products of radio-lysis. Orig. art. has: 7 figures

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: NP

NR REF SOV: 000

OTHER: 000

Card 2/2

PODLAZOV, N.

...It could have been avoided. Okhr. truda i sets. strakh. 6
no.3:20 Mr '63. (MIRA 16:4)

(Construction industry--Safety measures)

PODLAZOV, N.

Automatic devices give warning. Okhr. truda i sots. strakh.
5 no.5:34-35 My '62. (MIRA 15:5)
(Cranes, derricks, etc.—Safety appliances)

PODLAZOV, S.S.

The 4A721 electro-erosion machine. Stan.1 instr. 27 no.11:5-7 F'56.

(MIRA 10:1)

(Metalworking machinery) (Electric machinery)

71

supplied with a 2 kilovolt -ampere power transformer. The electrode head with the automatic electrode advance mechanism is mounted on a swivel outrigger, like a radial drill. The electrode has a 15 mm stroke. The total vertical displacement is 250 mm, the horizontal 400 mm. The outrigger can be swung into any position around its column. An external view, the kinematic scheme, and a cross section of the head as well as the circuit diagram are shown. The impulse generator consists of an a.c. power supply with a set of selenium rectifiers switched in consecutively in a valve circuit together with current limiting resistors. For light work, the initial winding of the transformer has a condenser of 6 mcf in series. The working feed circuit transmits both current and voltage signals through selenium rectifiers and a variable resistor to the control windings of two magnetic amplifier chokes. The amplifier output is fed to the motor driving the electrode advance motion.

Card 2/3

PODLIAZOV, S.S.; SOLOVOV, V.N.

The 4822 automatic anodic band cutting machine. Stan. i instr. 28
7-10 My '57. (MLRA 10:6)

(Cutting machines)

GUTKIN, B.G.; PODLAZOV, S.S.; YEVSEYEV, V.V.

"Spark-erosion machining of metals" by A.L. Livshits. Reviewed by
B.G.Gutkin, S.S. Podlazov, V.V. Evseev. Stan. i instr. 29 no.10:
44-45 0 '58. (MIRA 11:11)

1. Nachal'nik sektora elektroobrabotki metallov Leningradskogo
filiala Vsesoyuznogo teploekhnicheskogo instituta im. F. Dzerzhinskogo
(for Gutkin). 2. Nachal'nik osobogo konstruktorskogo byuro Eksperi-
mental'nogo nauchno-issledovatel'skogo instituta metallovezhushchikh
stankov (for Podlazov). 3. Starshiy inzhener laboratorii rezaniya
Leningradskogo Kirovskogo zavoda (for Yevseyev).
(Electric metal cutting)
(Livshits, A.L.)

SHLEYFER, M.L.; ABRAMZON, E.L.; GLIKIN, A.S.; GOLOUL'NIKOV, Ye.M.;
KAMKHIN, Ya.B.; KRUTIK, Ya.B.; KHASKIN, I.N.; KOCHENOV, M.I.,
kand. tekhn. nauk; PODLAZOV, S.S., inzh. red.; SOLOVOV, V.N.,
inzh. red.; VEDMIDSKIY, A.M., kand. tekhn. nauk, dots.

[Control and measurement automatic machines and instruments
for automatic lines]. Kontrol'no-izmeritel'nye avtomaty i
pribory dlia avtomaticheskikh linii. Moskva, Mashinostroenie,
1965. 371 p. (MIRA 18:8)

L 9445-66 EWT(m)/EWP(k)/EWP(b)/T/ EWP(t)/EWP(w) JD
 ACC NR: AP5026561 SOURCE CODE: UR/0286/65/000/019/0120/0120
 INVENTOR: Gryaznov, Ye. M.; Podlazov, S. S.; Chechina, L. G.; Yakhimovich, D. P. 32
 44,55 44,55 44,55 44,55 B
 ORG: none
 TITLE: Device for ultrasonic machining. Class 49, No. 175376
 44,55 14
 SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 19, 1965, 120
 TOPIC TAGS: machining, ultrasonic machining, ultrasonic tool
 ABSTRACT: This Author Certificate introduces a tool for ultrasonic machining of
 holes in hard and brittle material parts. To reduce heating of the tool, its front
 and rear parts are made of wear-resistant material, such as steel, while the mid-
 dle part is made of material with high heat conductivity, such as brass. Orig. art.
 has: 1 figure. [ND]
 SUB CODE: 06, 09/ SUBM DATE: 17Jul62/ ATD PRESS: 4155
 JW
 Card 1/1 UDC: 621.9.048.6.022

S/123/61/000/009/003/027
A004/A104

AUTHOR: Podlazov, S.S.

TITLE: Electroerosion and ultrasonic machine tools

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 9, 1961, 7⁴, abstract
9B518 ("Vestn. tekhn. inform. Eksperim. n.-i. in-t metallorazh.
stankov", 1959, no. 1, 1 - 47)

TEXT: The author gives a description of electroerosion (multipurpose and
special), anodic-mechanical and ultrasonic machine tools developed in the USSR.
There are 29 figures. ✓

[Abstracter's note: Complete translation]

Card 1/1

ABRAMZON, B.L.; GRIN, G.L.; PELIKS, A.Ya.; PODLAZOV, S.S.

Automatic electronic coordinate-measuring unit for heavy-duty boring machines. Izv.tekh. no.7:20-24 J1 '60.
(MIRA 13:7)

(Electronic measurements)

82823

16.9500

S/115/60/000/007/003/011
B019/B058

AUTHORS:

Abramzon, E. L., Grin, G. L., Peliks, A. Ya.,
Podlazov, S. S.

TITLE:

An Electronic Automatic Coordinate Measuring Instrument¹⁴
for a Heavy Boring Machine

PERIODICAL:

¹⁴ Izmeritel'naya tekhnika, 1960, No. 7, pp. 20 - 24

TEXT: An instrument was developed at the Osoboye konstruktorskoye byuro Mosgorsovnarkhoza (Special Design Office of the Mosgorsovnarkhoz) for the electronic measurement of the motion of a boring bar relative to the boring bench in horizontal and perpendicular direction. This instrument chiefly consists of 2 circular inductive pickups and an electronic dekatron impulse counter. One pickup is mounted on the spindle head and the shaft of the pickup is rotated during the vertical motion of the spindle head. The second pickup is mounted on the horizontal guides. The modes of operation of these 2 pickups (Fig. 1) are discussed in detail. They consist of crown-like serrated bodies, which are mounted on the movable and fixed parts of the machine opposite to each other. The

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APPROVED FOR RELEASE: 07/13/2001
S/115/60/000/007/003/011
B019/B058

magnetic flux between them, which is produced by coils, changes with the relative motion of these crowns. The measurement of the magnetic-flux changes and thus, of the motions is performed electronically, and the differential circuit shown in Fig. 2, as well as the block diagram in Fig. 3 are discussed in detail. The motion in the two directions perpendicular to each other is determined by the trigger circuit shown in Fig. 4, in accordance with the scheme shown in Fig. 5. The counter is discussed with the aid of Fig. 6. The voltage is stabilized by 2 electronic stabilizers and one ferroresonance stabilizer. There are 6 figures.

Card 2/2

PODLAZOV, S. S.

PHASE I BOOK EXPLOITATION SOV/3901

Novoye v elektricheskoy i ul'trazvukovoy obrabotke materialov (New Developments in Electrical and Ultrasonic Machining of Materials) [Leningrad], Lenizdat, 1959. 281 p. 5,000 copies printed.

Ed. (title page): L.Ya. Popilov; Ed. (inside book): S.I. Borshchevskaya; Tech. Ed.: P.S. Smirnov.

PURPOSE: This book is intended for technical personnel and production workers.

COVERAGE: This is a collection of 20 articles presented at the Third All-Union Conference of the Scientific and Technical Society of the Machine Industry on Electrical and Ultrasonic Machining of Metals, held in Leningrad. The articles deal with the latest achievements in the field of electrical and ultrasonic machining of metals. New methods of machining presently being developed are described. References follow several of the articles.

TABLE OF CONTENTS:

Introduction

Card I/4

3

PODLAZOV, Ye.K., inzh.; PESKOV, B.S., inzh.

Modernization of MT circular knitting machines for the manufacture
of pile fabrics. Nauch.-issl.trudy VNIITP no.4:10-18 '63.

(MIRA 17:4)

PODLECKA, Pelagia

Round-leaved sundew in the Botanical Garden of Warsaw University.
Wiadom botan 9 no.1:97-99 '65.

PODLECKA, Pelagia

Observations on the behavior of certain plants in the Botanical
Garden of the Warsaw University during the vegetation period 1963.
Wiadom botan 8 no.1:102 '64.

FINKEL'SHTEYN, M.Z.; TIMOKHIN, I.M.; SATIMBAYEV, R.S.; PODLEGAYEV, I.P.;
MALININA, A.I.

Using low-viscosity preparations of carboxymethylcellulose
for stabilizing weighted clay muds. Izv.vys.ucheb.zav.; neft'
i gaz 5 no.4:25-27 '62. (MIRA 16:1)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlen-
nosti imeni akademika I.M.Gubkina, Namanganskiy zavod
iskusstvennogo volokna.
(Cellulose) (Oil well drilling fluids)

PODLEGAYEV, M., kand.tekhn.nauk; SEYDEL', Ye.

Technology of the production of egg melange in England. Mias.
ind.SSSR 31 no.5:61-62 '60. (MISA 13:9)
(Great Britain--~~Eggs~~--Preservation)

PODLEGAYEV, M. A.

PODLEGAYEV M. A., and SHTENIKOV S. T.

Vet Sanitary Inspection of Poultry Products

Moscow, 1954

PODLEGAYEV, M. A.

SHCHENNIKOV, S.T.; ~~PODLEGAYEV, M. A.~~ IVANOVA, N.M., redaktor; GOTLIB, E.M.,
tekhnicheskiy redaktor

[Veterinary and sanitary inspection of poultry products] Veterinarno-
sanitarnaia ekspertiza ptitseproduktov. Moskva, Pishchepromizdat,
1954. 135 p. (MLRA 8:3)
(Poultry industry) (Meat inspection)

PODLEGAYEV, M. A.

USSR

✓ Stability of egg powder in storage. P. Pankova, P. Lyutikova, and M. Podlegayev. *Mysnyaya Ind. S.S.S.R.* 26, No. 1, 87-8(1958).—Dried eggs in various type containers were stored at 36-8°, 18-25°, -2 to +2°, -12 to -14°, and -24° and periodically observed for phys. and chem. changes, bacteria content, taste, odor, bloom, and appearance. At 18-25° storabilities in various containers were: veneered containers 9; hermetically sealed tinned cans 12, and in glass under vacuum 15 or more months. Storability at 0 to -24° can be for as much as 3 yrs. Detail results are not presented. M. M. Piskur

*all - Union Sci Res. Inst. Poultry.
Breeding Industry.*

PODLEGAYEV, M. A.

USSR/Chemical Technology. Chemical Products and Their Application -- Food industry,
I-28

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 6728

Author: Podlegayev, M. A., Pankova, F. I., Lyutikova, P. O., Prokof'yeva,
T. V.

Institution: All-Union Scientific Research Institute of Poultry Industry

Title: Improvement of Processes for the Production of Egg Melange and Egg
Powder

Original

Publication: Tr. Vses. n.-i. in-ta ptitseprom-sti, 1956, 6, 3-17

Abstract: Description of the mechanized continuous production line for the
manufacture of egg melange and dry egg products, which has been de-
veloped by the All-Union Scientific Research Institute of the Poultry
Industry, and of the results of tests of machines for washing, disin-
fecting and shelling of eggs (VNIIP), a steam pasteurizer with ex-
peller stirrer, a semi-automatic batching machine, etc. In experi-
ments with the use of ultrasound (of a frequency of 1,000 kilohertz)
for stirring of the egg mixture, the formation of a highly homogenized
melange within 15-20 seconds was ascertained.

Card 1/1

KULESZA, Janusz; PODLEJSKI, Jerzy; GORA, Jozef

Utilization of p-cymene for the synthesis of perfume compounds.
Pt. 4. Przem chem 42 no.6:298-302 Je '63.

1. Zaklad Technologii Ziol i Aromatow, Politechnika, Lodz.

PODLEPA, A.P.; SHKLYAR, B.I.

Advanced experience in organizing work in the Krivoi Rog Basin Mine
Construction Trust. Stroi.prom.34 no.6:2-5 Je '56. (MLRA 9:9)

1.Upravlyayushchiy trestom Krivbassrudstroy (for Podlepa).2.Nachal'-
nik otdela truda i zarabotnoy platy (for Shklyar).
(Krivoi Rog--Industrial management)

ACC NR: AP7002238

SOURCE CODE: UR/0280/66/000/006/0086/0092

AUTHOR: Podlepa, S. A. (Moscow)

ORG: none

TITLE: Determining the optimal scheduling of the maintenance of a complex continuous-action system

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 6, 1966, 86-92

TOPIC TAGS: system reliability, statistic distribution, successive method, function analysis, data processing system, computer technology

ABSTRACT: The operation of complex continuous-action systems (such as giant computers) requires an extremely astute organization of preventive care. A major problem is the optimal scheduling of maintenance, i. e. the determination of the intervals of time at which parts (subsystems) of a complex system must be successively withdrawn from service with the object of prophylactic inspection. This problem is solved on proceeding from the premise of assuring a maximum probability that the system is in correctly functioning state at any time instant, for a system consisting of m independently serviced subsystems the failure of any of which may lead to the failure of the entire system. The sequence of failures is assumed to

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ACC NR: AP7002238

follow Poisson's non-stationary law and the distribution of renewal times is assumed to be arbitrary. The case where the renewal time of each subsystem is reckoned from the moment of occurrence of latest failure is considered. The problem is reduced to that of finding the maximum (or the highest of the maxima, if there are several) of a function of many variables. Particular cases ($m = 1, 2$) are considered. The findings can be used, with the aid of present-day computers, to formulate practical recommendations for the preventive maintenance of any specific complex system. The data necessary for the calculations can be obtained by statistical analysis of the information accumulating in the course of the system's operation. Orig. art. has: 19 formulas.

SUB CODE: 09, 12/ SUBM DATE: 29Jun65/ ORIG REF: 006/ OTH REF: 002

Card 2/2

BENA, E.; PODLESAK, K.; JOKL, M.; DRAKOVA, S.

Work physiology in refrigeration plants. Pracovni lek.12 no.10:
526-533 D '60.

(REFRIGERATION)
(OCCUPATIONS AND PROFESSIONS)

FISEROVA-BERGEROVA, V.; ROTH, Z.; SIASTNY, V.; PODLESAK, K.

Experiences with the determination of cholinestase activity
by the visual colorimetric method in beet- and hop-growing
areas. Prac. lek. 15 no.7:280-285 S '63.

1. Ustav hygieny prace a chorob z povolani v Praze, reditel
prof. dr. J. Teisinger, DrSc. Oddeleni hygieny prace KHES v
Usti n. Labem, vedouci dr. V. Pekarek.

(CHOLINESTERASE) (BLOOD) (COLORIMETRY)

(PHOSPHORUS POISONS, ORGANIC)

(AGRICULTURAL WORKERS DISEASES)

PODLESAK, K.; JOKL, M.

Clothing for workers in agriculture. Prac. lek. 15 no.7:
286-291 S '63.

1. Ustav hygieny prace a chorob z povolani v Praze, reditel
prof. dr. J. Teisinger, DrSc.
(AGRICULTURE) (CLOTHING)

PODLIESAK, K.; JOHL, M.; Institute of Hygiene of Work and Occupational Diseases in Prague, Manager Prof. doctor J. Teisinger
[Ustav hygieny prace a chorob z povolani v Praze, reditel prof. dr. J. Teisinger, Dr.Sc.]

"Working Garments for Agriculture."

Prague, Pracovní Lékarství, Vol 15, No 7, 1963, pp 286-291

Abstract: The authors suggest that the garments supplied for agricultural employees be designed according to the following basic requirements. The cut should allow all the freedom in every variety of activity; it should be safe for work with all the machines with which the worker will perform his duties; the material of the garment should conform to the needs of hygiene, such as easy dust removal. The authors selected the materials labelled "farmers cord", "working cord" and "many-colored cord" of the National Enterprise Vigona as most suitable. These garments may be adapted for winter use by warm linings that can be buttoned on the inside. 7 Figures, 3 Tables, 3 Western, 2 Czech, 6 Russian references.

1/1

PODLESAK, K.

CZECHOSLOVAKIA/Human and Animal Physiology - Normal and
Pathological). Regulation of Body Temperature.

T-3

Abs Jour : Ref Zhur - Biol., No 11, 1958, 50631

Author : Podlesak, Karel

Inst : -

Title : The Effect of Low Temperatures upon the Human Organism.

Orig Pub : Pracovni lekar., 1957, 91, No 3, 227-232.

Abstract : No abstract.

Card 1/1

FISEROVA-BERGEROVA, V.; PODLESAK, K.; ROTH, Z.

A rapid colorimetric method for the determination of the cholinesterase activity of the blood. Pracovni lek. 14 no.4:175-182 My '62.

1. Ustav hygieny prace a chorob z povolani v Praze, reditel prof. MUDr. J.Teisinger, DrSc.

(CHOLINESTERASE blood)

(COLORIMETRY)

BENA, Eduard; PODLESAK, Karel; SKOTAK, Antonin.

Motion study in workers removing slag-cement bricks. Prac. lek.
16 no.2&49-52 Mr.'64

1. Ustav hygieny prace a chorob z povolani v Praze; prednosta
prof. dr. J.Teisinger, DrSc.

PODLESAK, Karel, MUDr.

Effect of low temperatures on the human organism. Pracovni lek.
9 no.3:227-232 June 57.

1. Ustav hygieny prace a chorob z povolani, Praha. Reditel prof.
Dr. J. Teisinger.

(COLD, effects,
on human organism, review (Cz))

PODLESAK, Karel

A review of toxic substances used in agriculture and basic problems of agricultural toxicology. Pracovní lek. 13 no.5 ~~Suppl. 11-24~~ Je '61.

1. Ustav hygieny prace a chorob z povolani, Praha.

(AGRICULTURE) (TOXICOLOGY)

PODLESKOVA, B., inz.; BENDA, O.; GROHA, G., inz.; JILEK, inz.;
NANADAL, K., inz.

Conference on the results of the International Symposium on
Rationalization of Electric Power Consumption in Warsaw.
Energetika CzeSuppl.:13 no.7:1-11 '63.

PODLESAKOVA, Blanka, inz.

Analysis of influences on the volume of electric power consumption
in households. Energetika Cz 13 no.9:Suppl.: 13 no.9:1-11
S '63.

1. Vyzkumny ustav energeticky, Praha.

PODLESAKOVA, B., inz.

Supplying households and community services with electric power. Bul EGU no. 6: Supplement: no. 6: 1-7 '63.

PODLESAKOVA, B.; RYCHLIK, V.; TALEROVA, D.

Characteristic diagrams and indexes of load capacity in power systems. p. 338.

Vol. 5, no. 9, Sept. 1955
ELEKTROTECHNICKY OBZOR
Praha, Czechoslovakia

Source: East European Accession List. Library of Congress
Vol. 5, No. 8, August 1956

PODLESAKOVA, B.; RYCHLIK, V.

The flow of production, supply, and consumption of electricity in the paper industry. p. 169.

Vol. 10, no. 9 , Sept. 1955
PAPIR A CELULOSA
Praha, Czechoslovakia

Source: East European Accession List. Library of Congress
Vol. 5, No. 3, August 1956

PODLESAKOVA, B.

Distribution, supply, production, and consumption of electricity in the Czechoslovak metallurgic industry. p. 321.

HUTNICKE LISTY, Brno, Vol. 10, no. 4, Apr. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

PODLESAKOVA, B.

Podlesakova, B. Distribution, supply, production, and consumption of electricity in the Czechoslovak metallurgic industry. p. 321. HUTNICKE LISTY. Brno. Vol. 10, no. 6, June 1955.

SO: Monthly List of the East European Accession, (EEAL), LC. Vol. 4, no. 10, Oct. 1955. Uncl:

PODLESAKOVA, Blanka, inz.

Heating by electric power. Tech praca 15 no. 12: 965-970
D '63.

1. Vyzkumny ustav energeticky, Praha.

SZYDLIK, Henryk; ZUKOWSKI, Wojciech; GRUSZKA, Stanislaw; PODIESKI, Wojciech

Cases of suicide treated in the 2nd Clinic of Internal Diseases
of the Academy of Medicine in Wroclaw. Pol. tyg. lek. 20 no.37:
1393-1396 13 S '65.

1. Z II Kliniki Chorob Wewnetrznych AM we Wroclawiu (Kierownik:
prof. dr. med. Antoni Falkiewicz) i z Kliniki Psychiatrycznej
AM we Wroclawiu (Kierownik: doc. dr. med. Adam Bukowczyk).

PODLESKIY, G. I., KOMAROVA, M. G.

"The fleas of the Kara-Kums near the Aral sea and their importance in the epizootology of the plague." Page 262

Desyatoye soveshchaniye po parazitoloicheskim problemam i prirodnoochagovym boleznyam. 22-29 Okt'yabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences USSR and Academy of Sciences USSR, No. 1 254pp.

Aralomorskaya Anti plague Station

KRYLOVA, K.T.; VARSHAVSKIY, S.N.; SHILOVA, Ye.S.; SHILOV, M.N.; PODLESSKIY, G.I.;
KOMARDINA, M.G.

Characteristics of interspecific contact in colonies of the greater
gerbil (*Rhombomys opimus* Licht.) in the northern part of the Aral
Sea region. Zool. zhur. 40 no.3:434-446 Mr '61. (MIRA 14:3)

1. Aral Sea Anti-Plague Station and Aral Branch of the Moscow
Society of Naturalists.
(Aral Sea Region—Gerbils as carriers of disease)

L 52999-65 EWT(m)/ENP(1)/T/ENP(t)/ENP(b)/EWA(c) JD

ACCESSION NR: AP5010830

UR/0020/65/161/004/0821/0823

AUTHOR: Podlesnaya, A. D.; Raykhe's, Ye. I.; Smushkov, I. V.; Trenbach, V. M. 28
27

TITLE: On the dislocational structure of the surface layer of alkaline-halide
monocrystals (6) B

SOURCE: AN SSSR. Doklady, v. 161, no. 4, 1965, 821-823

TOPIC TAGS: crystal physics, monocrystalline structure

ABSTRACT: The structure of the layer near the surface in monocrystals of LiF and NaCl formed by annealing is studied. Graphical results are offered for the density of dislocations expressed in terms of the distance from the surface of a LiF crystal annealed at 775° for 24 hours and for 1.5 hours both in a vacuum and in an atmosphere of saturated steam in a vacuum. The experiments indicated that, near the surface of an annealed crystal, a layer is formed having a dislocation structure very different from that observed in the body of the crystal. "The authors express their gratitude to Prof. Ya. Ye. Geguzip for his valuable advice and helpful discussion of the results obtained." Orig. art. has: 1 formula, 3 figures.

Card 1/2

L 52999-65

ACCESSION NR: AP5010830

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut monokristallov,
stsintillyatsionnykh materialov i osobo chistyykh khimicheskikh veshchestv (All-
Union Scientific Research Institute of Monocrystals, Scintillating Materials, and
Specially Pure Chemical Substances)

SUBMITTED: 28Nov64

ENCL: 00

SUB CODE: SS

NO REF SOV: 008

OTHER: 004

2/2

PODLESNAYA, A. I.

"Functional Changes in the Skeletal Muscles During Toxic Afflictions
Related to Phosphorylation and the Blockade of Sulfhydryl Groups." Cand Med
Sci, Inst of Experimental Medicine, Acad Med Sci USSR, Leningrad, 1953.
(RZhBiol, No 2, Sep 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher
Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

PODLESNAYA, A. I.

"The Rhythmic Activity of the Skeletal Muscles of Frogs Caused by Parachlor-mercuribenzoate," a report presented at the 577th meeting of the Pharmacology and Toxicology Section, Leningrad Society of Physiologists, Biochemists, and Pharmacologists im. I. M. Sechenov, ~~9 June~~ 1954, Farm. i. Toks., Ju-Aug 55, pp. 60-63.
21 02

Division of Pharmacology, Inst. of Experimental Medicine

Sum. 900, 26 Apr 56

PODLESNAYA, A. I.

"Rhythmic Contractions of the Skeletal Muscles Caused by a Thiol Poison," a report presented at the 570th meeting of the Pharmacology and Toxicology Section, Leningrad Society of Physiologists, Biochemists, and Pharmacologists im. I. M. Sechenov, 9 June 1954, Farm. i Toks., Ju-Aug 1955, pp. 60-63.

Division of Pharmacology, Inst. of Experimental Medicine

Sum. 900, 26 Apr 56

PODLESNAYA A. I.

USSR / Pharmacology, Toxicology. General Problems.

V

Abs Jour: Ref Zhur-Biol., No 9, 1958, 42201.

Author : ~~Podlesnaya, A. I.~~
Inst : Institute of Experimental Medicine, Academy of
Medical Sciences USSR.
Title : On the Rhythmic Contractions of the Skeletal Frog
Muscle Under the Effect of Arsenite.

Orig Pub: Ezhegodnik. In-t eksperim. med. Akad. med. nauk
SSSR, 1955, L., 1956, 185-187.

Abstract: It was demonstrated in experiments on an isolated
frog muscle (the rectus abdominis or the sartorius),
the contractions of which were registered kymo-
graphically, that the addition of sodium arsenite
in concentration of 1:1000-2000 to the Ringer solu-
tion, for a period of 10-40 minutes, caused rhyth-
mic contractions of the muscle, lasting for 1 1/2-
2 hours (in some experiments, much shorter). Out-

Card 1/2

7

PODLESNAYA, A.I.

Rhythmic tremor of the skeletal muscle caused by thiol poisons.
Biul.eksp.biol.med. 42 no.7:44-48 J1 '56. (MLRA 9:9)

1. Is gruppy obshchey farmakologii otdela farmakologii (nauchnyy rukovoditel' chlen-korrespondent AMN SSSR prof. V.M.Karasik) Instituta eksperimental'noy meditsiny (dir. - chlen-korrespondent AMN SSSR D.A. Biryukov) AMN SSSR, Leningrad. Predstavleno deystvitel'nyy chlenom AMN SSSR S.V.Anichkovym

(SULFHYDRYL COMPOUNDS, effects,
musc. tremor (Rus))

(MUSCLES, effect of drugs on,
sulfhydryl cpds. inducing rhythmic tremor (Rus))

PODLESNAYA, A.I.

Work of the Leningrad Pharmacological Society and of the
Pharmacological Section of the I.M.Sechenov Leningrad
Society of Physiologists, Biochemists and Pharmacologists.
Farm. i toks. 28 no.5:632-633 S-O '65.

(MIRA 18:12)

1. Sekretar' Leningradskogo farmakologicheskogo obshchestva.

PODLESHAYA, A.I.

Interaction of the chemical structure and pharmacological effect
in a series of some phenylenediamine derivatives. Farm. i toks.
25 no.5:538-543 S-O '62 (MIRA 18:1)

1. Otdel farmakologii (zav. - deystvitel'nyy chlen AMN SSSR prof.
S.V. Anichkov) Instituta eksperimental'noy meditsiny AMN SSSR
prof. V.M. Karasik.

PODLESNAYA, A.I.

Curarelike activity of some diphenylethane derivatives. *Farm.*
i toks. 26 no.1:40-45 Ja-F '63. (MIFA 17:7)

1. Otdel farmakologii Instituta eksperimental'noy meditsiny
AMN SSSR. Nauchnyy rukovoditel' raboty - deystvitel'nyy chlen
AMN SSSR prof. V.M. Karasik.

U SU-ZHUY [Wu Su-jui]; PODLESNAYA, A.I.

Sigetin; experimental and clinical data. Nauch. inform. Otd.
nauch.med. inform. AMN SSSR no.1:18 '61 (MIRA 16:11)

1. Institut eksperimental'noy meditsiny (direktor - chlen
korrespondent AMN SSSR D.A.Biryukov) AMN SSSR, Leningrad.

*

PODLESNAYA, G.

Science

Spreading scientific knowledge. Sov. Ukr., 1, no. 5, 1951.

9. Monthly List of Russian Accessions, Library of Congress, November 1952 ~~1953~~, Uncl.

PODLESNAYA, N.V.

Bacterial carrier state in diphtheria in an experiment on guinea pigs. Zhur. mikrobiol., epid. i immun. 33 no.2:126 F '62.

(MIRA 15:3)

1. Iz Kiyevskogo meditsinskogo instituta imeni akademika
A.A. Bogomol'tsa.

(DIPHTHERIA)

PODLESNAYA, N. V., CAND MED SCI, "ON METHODS OF CONTROLLING ^{the infectiousness} ~~DISEASE CARRYING~~ PROPERTIES OF DIPHTERIA." KIEV, 1959. (KIEV ORDER OF LABOR RED BANNER MED INST IN ACAD A. A. BOGOMOLETS). (KL, 3-61, 234).

PODLESNAYA, Viktoriya Mikhaylovna

[Electromagnetic devices] *Elektromagnitnye ustroistva.*
Leningrad. No.4. 1962. 39 p. (MIRA 17:5)

1. Leningrad. Elektrotekhnicheskiy institut.

PODLESNAYA, Z. I., Cand of Agric Sci -- (diss) "Investigation for a
Method of Ensilaging Water Cress," Leningrad 1959, 27 pp (Leningrad
Veterinary Institute) (KL, 2-60, 115)

PODLESNAYA, Z.I., Cand Agr Sci-- (diss) "Biological methods of ^{processing} ~~growth~~
~~and preservation~~ of Fucus seaweeds in the form of succulent fodder
^{for} the ~~Extreme North~~." Len, 1958. 31 pp (Len Vet Inst of the Min of
Higher Education), 150 copies (KL,46-58, 141)

- 54 -

PODLESNIK, M

Secondary vocational schools of mechanical engineering, p. 77

STROJNISKE VESTNIK (Fakuleta za elektroehniko in strojninstvo Univerze v Ljubljani Institut za turbostroje v Ljubljana Drustov strojnih inzenirjev in tehnikov LR Slovenije in Strojna industrija Slovenije) Ljubljana, Yugošlavia. Vol 4, no. 3/4, June 1958

Monthly List of East European Accession EEAI LC, Vol. 8, No. 6, June 1959
Uncla.

PODLESNOV, A.F.

Session of the Lenin All-Union Academy of Agricultural Sciences
on the "Rossia" Collective Farm. Mekh. 1 elek.sots.sel'khoz.
no.5:56-58 '56. (MIRA 12:4)
(Agricultural machinery)

PODLESNOV, A.V.

Clinical aspects and therapy of adrenal coma. Probl. endkok. 1 gorm.
6 no. 1:75-79 Ja-F '60. (MIRA 14:1)
(ADDISON'S DISEASE) (COMA)

PODLESNOV, A.V.; SINITSINA, I.I.

Case of opisthorchiasis coinciding with primary cancer of the
liver. Med.paraz.i paraz.bol. 29 no.4:430-432 J1-Ag '60.
(MIRA 13:11)

1. Iz terapevticheskogo otdeleniya Vostochno-Kazakhstanskoy
oblastnoy bol'nitsy (glavnyy vrach V.N. Gapon).
(LIVER--CANCER) (LIVER FLUKES)

PODLESNOV, A.V.

Clinical aspects diagnosis and treatment of pancreatitis
resulting from apisthorchosis. Izv. AN Kazakh. SSR. Ser.
med. nauk no.3:71-77 '63. (MIRA 17:1)

PODLESNOV, A.V.; BEKLEMISHEV, N.D.; PALKIN, V.N.

Effect of hormonal anti-inflammatory treatment and a complex of
sanatorium and health resort factors in silicosis. Trudy Inst.
krazev.pat. AN Kazakh.SSR 10:71-77 '62. (MIRA 16:5)
(LUNGS—DUST DISEASES)

MENDEL'SON, M.M.; PODLESNOV, A.V.

Treatment of suppurative diseases of the lungs. Zdrav. Kazakh.
17 no.2:15-18 '57. (MIRA 12:6)

1. Iz terapevticheskogo otdeleniya oblastnoy bol'nitsy Vostochno-
Kazakhstanskoy oblasti.
(LUNGS--ABSCESS) (PENICILLIN)

MAZOVETSKIY, A.G.; PODLESNOV, A.V. (Ust'-Kamenogorsk)

Case of severe side reactions following the administration of
penicillin. Klin.med. 39 no.3:148-149 Mr '61. (MIRA 14:3)

1. Iz terapevticheskogo otdeleniya oblastnoy bol'nitsy (glavnyy
vrach V.N. Gapon).

(PENICILLIN)

PODLESHOV, M.P.

On approach tracks. Put' i put.khoz. 4 no.10:23-24 0 '60.
(MIRA 13:9)

1. Zamestitel' nachal'nika sluzhby puti Nizhno-tagil'skogo
metallurgicheskogo kombinata, g. Nizhniy Tagil.
(Ural Mountain Region--Railroads--Snow protection and removal)

PODLESNOV, M.P.

Machine for removing snow and debris from tracks. Sbor.rats.predi.
vnedr.v proizvod. no.5:66-68 '60. (MIRA 14:8)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat.
(Railroads--Snow protection and removal)

ALEKSEYEVA, Ye.I., kand. sel'khoz. nauk; BUZINOV, P.A., kand. sel'khoz. nauk; VODOLAGIN, V.D.; VOLKHOVSKAYA, U.V.; GLUSHCHENKO, N.N., kand. biol. nauk; GURVICH, N.L., doktor biol. nauk; ZHELEZNOV, P.A., kand. sel'khoz. nauk; KSENDZ, A.T.; LESHCHUK, T.Ya.; LUK'YANOV, I.A., kand. sel'khoz. nauk; MAYCHENKO, Z.G., kand. sel'khoz. nauk; TANASIYENKO, F.S., kand. khim. nauk; ZNAMENSKIY, M.P.; PERSIDSKAYA, K.G.; PODLESNOVA, A.F.; ROGOCHIY, I.Ya.; REZNIKOV, A.R.; SHUL'GIN, G.T.; KHOTIN, A.A., doktor sel'khoz. nauk; LAPSHINA, O.V., red.; MINENKOVA, V.R., red.; MAKHOVA, N.N., tekhn. red.; BALLOD, A.I., tekhn. red.

[Aromatic plants] Efiromaslichnye kul'tury. Moskva, Sel'-khozizdat, 1963. 358 p. (MIRA 16:12)
(Ukraine--Aromatic plants)

PODLESNOVA, N.; BRENER, A.

Five locomotives instead of six. Metallurg 2 no.1:39 Ja '57.
(MLRA 10:4)

1. Zamestitel' nachal'nika sluzhby dvizheniya (for Podlesnova).
2. Starshiy inzhener otдела organizatsii truda Nove-Tagil'skogo metallurgicheskogo zavoda (for Brener).
(Railroads, Industrial)
(Locomotives--Performance)

248

AUTHOR: Podlesnova, N., Deputy manager of communications, and
Brener, A., Senior engineer in the work-organisation division
at the Novo-Tagil Metallurgical Works.

TITLE: Five locomotives instead of six. (Vmesto shesti - pyat
parovozov.)

PERIODICAL: "Metallurg" (Metallurgist),
1957, No. 1, p. 39, (U.S.S.R.)

ABSTRACT: Incentive payments and better organisation of the work
has enabled five locomotives instead of six to move blast
furnace slag from the furnaces to the granulation plant, a
cement works and the slag dump to be used. An annual economy
of 320 - 360 000 Roubles has been realised.

PODLESNY, V.; ROUSAL, M.

A new dust exhausting equipment for drilling pipe. *Stavka*
42 no.10:381-382 0 '68.

1. Main Research and Development Center, GSKS, Moscow.